



Energy
Information
Administration

Weekly Coal Production

Production for Week Ended:
November 9, 1991



Preface

The *Weekly Coal Production (WCP)* report provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. The Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. This week's Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 through 1990 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988, 1 percent to 2 percent for 1989, and 0.3 percent to 3 percent for 1990.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 through 1990 data, the revision error for a

quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988, 0.09 percent to 0.14 percent for 1989, and 0.01 percent to 0.05 percent for 1990. Usually the EIA-7A coal production data are higher than the EIA-6 coal production data, due to differences in the threshold reporting requirements.

This publication is prepared by the Survey Management Division, Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1990*, and *Coal Data: A Reference*.

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This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy of the Department of Energy or any other organization.

- Distribution Category UC-98
- Released for Printing November 15, 1991

Contents

	Page
Summary	1

Illustrations

	Page
1. Coal Production	1

Tables

	Page
1. Coal Production	2
2. Coal Production by State	2
3. Coal Statistics for Electric Utilities, 1982-1991	3
4. Coal-Fired Net Generation, August 1991	4
5. Coal Consumption at Electric Utility Plants, August 1991	5
6. Coal Stocks at Electric Utility Plants, August 1991	6
7. Coal Receipts at Electric Utility Plants, July 1991	7
8. Quality and Price of Coal Receipts at Electric Utility Plants, July 1991	8
9. Quality and Price of Contract Coal Receipts at Electric Utility Plants, July 1991	9
10. Quality and Price of Spot Coal Receipts at Electric Utility Plants, July 1991	10
11. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, July 1991	11
12. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-July 1991	12
13. Destination of Coal Received at Electric Utility Plants by Origin, January-July 1991	13
14. Origin of Coal Received at Electric Utility Plants by Destination, January-July 1991	17

Summary

U.S. coal production in the week ended November 9, 1991, as estimated by the Energy Information Administration, totaled 20 million short tons. This was about the same as in the previous week, but 6 percent less than in the comparable week in 1990. Production east of the Mississippi River totaled 12 million short tons, and production west of the Mississippi River totaled 7 million short tons.

Coal consumption at electric utility plants in August 1991 totaled 72 million short tons, about the same as in August 1990. Total coal consumption at electric utility plants for the first 8 months of 1991 was 515 million short tons, 4 million short tons more than in the comparable period in 1990. The largest regional changes occurred in the West South Central Census Division, where consumption rose 4 million short tons and the Mountain Census Division where consumption dropped 3 million short tons.

In the West South Central Census Division, electric utility coal consumption was up because coal-fired generation was used to meet the higher electricity demand. In the Mountain Census Division, electric utility coal consumption was down, primarily because of the lower demand for electricity in New Mexico.

Electric utility coal stocks on August 31, 1991 were 3 million short tons more than a year earlier. Electric utilities drew down coal stocks by 2 million short tons during August 1991.

Coal receipts at electric utility plants in July 1991 were 65 million short tons, slightly higher than in July 1990. Total coal receipts at electric utilities for the first 7 months of 1991 totaled 438 million short tons, 15 million short tons less than in the comparable period in 1990, when electric utilities built up coal stocks by 14 million short tons.

Figure 1. Coal Production

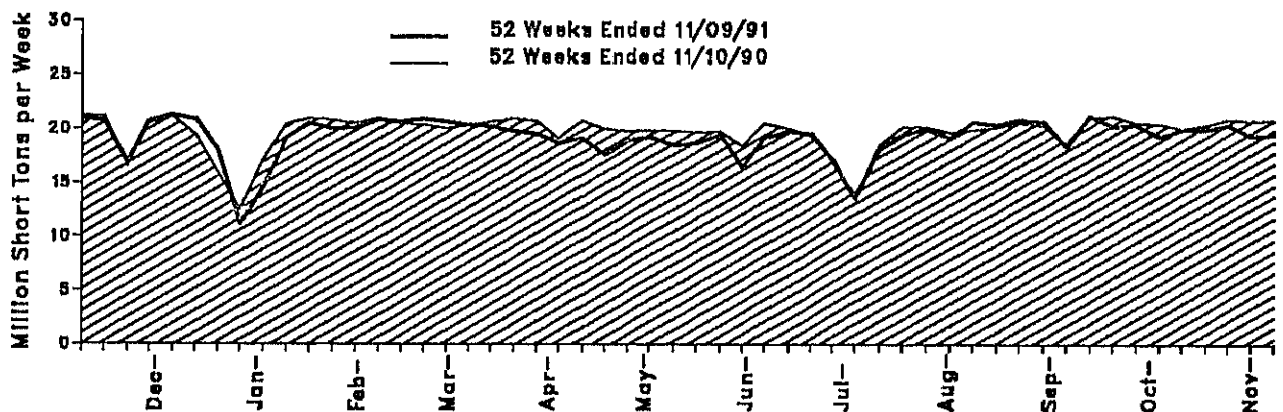


Table 1. Coal Production

Production and Carloadings	Week Ended			52 Weeks Ended		
	11/09/91	11/02/91	11/10/90	11/09/91	11/10/90	Percent Change
Production (Thousand Short Tons)						
Bituminous Coal ¹ and Lignite	19,471	19,327	20,804	997,418	1,020,483	-2.3
Pennsylvania Anthracite	58	58	61	2,768	3,519	-21.3
U.S. Total	19,530	19,385	20,864	1,000,187	1,024,002	-2.3
Railroad Cars Loaded	128,936	128,131	136,683	6,480,895	6,655,489	

¹ Includes subbituminous coal.

Notes: 1991 data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	11/09/91	11/02/91	11/10/90
Bituminous Coal¹ and Lignite			
East of the Mississippi	12,112	12,192	12,756
Alabama	602	586	589
Illinois	1,053	1,055	1,239
Indiana	841	859	713
Kentucky	3,209	3,283	3,618
Kentucky, Eastern	2,315	2,309	2,608
Kentucky, Western	894	974	1,009
Maryland	73	74	69
Ohio	635	620	750
Pennsylvania Bituminous	1,401	1,433	1,330
Tennessee	95	91	106
Virginia	877	838	892
West Virginia	3,525	3,553	3,461
West of the Mississippi	7,359	7,134	8,047
Alaska	38	37	49
Arizona	224	223	268
Arkansas	1	1	1
Colorado	392	307	388
Iowa	6	6	8
Kansas	8	8	12
Louisiana	71	49	63
Missouri	48	48	49
Montana	673	674	839
New Mexico	479	558	465
North Dakota	509	510	570
Oklahoma	45	45	28
Texas	1,080	1,073	1,115
Utah	426	355	432
Washington	92	91	98
Wyoming	3,269	3,150	3,653
Bituminous Coal ¹ and Lignite Total	19,471	19,327	20,804
Pennsylvania Anthracite	58	58	61
U.S. Total	19,530	19,385	20,864

¹ Includes subbituminous coal.

Notes: 1991 data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 3. Coal Statistics for Electric Utilities, 1982-1991

Year and Month	Receipts				Consumption (thousand short tons)	Generation		Stocks (thousand short tons)
	Quantity (thousand short tons)	Percent Contract	Price (cents per MM Btu)	Quality (lbs. sulfur per MM Btu)		Million kWh ¹	Percent ²	
1982	601,427	90.4	165	1.42	593,666	1,192,004	53.2	181,132
1983	592,728	88.3	166	1.39	625,211	1,259,424	54.5	155,598
1984	684,111	85.5	166	1.39	664,399	1,341,681	55.5	179,727
1985	666,743	88.9	165	1.32	693,841	1,402,128	56.8	158,376
1986	686,984	87.5	158	1.32	685,056	1,385,831	55.7	161,806
1987	721,298	84.6	151	1.31	717,894	1,463,781	56.9	170,797
1988	727,775	86.3	147	1.26	758,372	1,540,653	57.0	146,507
1989								
January	62,443	82.6	143	1.28	66,767	135,181	58.1	142,538
February	56,634	82.9	145	1.29	62,784	127,187	57.9	137,363
March	63,218	83.4	144	1.28	62,005	126,725	55.9	139,036
April	62,076	82.2	144	1.27	56,144	115,451	55.5	144,674
May	64,798	84.0	145	1.30	58,527	119,108	54.1	151,067
June	61,272	83.9	145	1.26	63,635	128,615	54.6	148,981
July	55,429	83.2	144	1.22	69,720	138,638	53.9	134,865
August	70,147	82.9	145	1.29	70,493	141,901	54.9	133,948
September	64,539	81.1	146	1.27	62,910	126,898	55.9	135,640
October	68,578	80.7	145	1.29	60,561	122,393	55.7	142,280
November	65,570	80.7	144	1.28	61,006	124,338	56.7	147,207
December	60,515	81.9	143	1.27	72,336	147,227	56.8	135,860
Total	753,217	82.4	144	1.28	766,888	1,553,661	55.8	
1990								
January	67,637	82.7	145	1.30	66,290	132,672	55.9	137,465
February	62,280	82.1	146	1.30	57,998	115,898	54.5	142,218
March	67,518	83.1	145	1.31	60,748	122,958	54.4	149,388
April	63,888	82.9	147	1.30	57,776	117,278	55.6	155,982
May	64,958	83.1	148	1.30	59,140	119,785	53.7	161,695
June	63,604	82.4	146	1.29	65,167	132,461	53.2	160,823
July	63,427	82.8	144	1.26	71,376	144,225	54.2	152,982
August	70,571	83.5	145	1.29	72,942	147,135	54.8	150,123
September	65,728	82.3	145	1.28	66,727	135,345	56.9	149,013
October	69,159	82.2	146	1.28	64,264	130,282	58.0	155,191
November	65,401	82.3	145	1.27	60,916	123,041	58.0	159,895
December	62,386	81.7	142	1.26	68,335	136,576	57.6	155,163
Total	786,557	82.6	145	1.29	771,678	1,558,457	55.5	
1991								
January	63,356	84.5	146	1.26	71,190	141,677	57.1	148,736
February	61,059	85.6	147	1.26	58,443	117,536	55.8	152,202
March	63,537	86.6	145	1.27	59,195	118,066	53.4	157,031
April	60,747	87.1	147	1.26	55,483	112,177	53.7	162,804
May	63,005	86.3	148	1.26	61,288	123,684	52.8	165,483
June	61,488	86.6	147	1.27	65,777	131,681	53.1	161,410
July	64,752	86.3	143	1.24	71,862	143,586	52.9	155,668
August	NA	NA	NA	NA	71,919	143,898	53.8	153,231

¹ Kilowatthours

² Coal-fired generation as a percentage of total generation.

NA Not available.

Note: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Sources: Receipts: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Consumption, Stocks and Generation: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 4. Coal-Fired Net Generation, August 1991
(Million Kilowatthours)

Census Division and State	August 1991	August 1990	Percent Change	Year to Date				
				Coal Generation			Percent of Total Generation	
				1991	1990	Percent Change	1991	1990
New England	1,719	1,507	14.0	11,327	10,470	8.2	18.7	16.4
Connecticut	235	221	6.2	1,428	1,637	-12.8	8.0	7.4
Maine	-	-	-	-	-	-	-	-
Massachusetts	1,165	982	18.7	7,739	7,134	8.5	32.3	27.7
New Hampshire	318	304	4.6	2,159	1,699	27.1	24.2	29.4
Rhode Island	-	0	-	0	0	-	.0	.0
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	11,247	12,138	-7.3	89,916	90,823	-1.0	40.5	40.4
New Jersey	472	820	-42.4	3,213	5,011	-35.9	13.0	22.0
New York	2,351	2,297	2.3	16,580	16,731	-.9	19.3	19.1
Pennsylvania	8,424	9,021	-6.6	70,123	69,081	1.5	62.9	60.3
East North Central	32,509	32,446	.2	245,567	242,661	1.2	73.3	73.9
Illinois	4,520	4,921	-8.1	36,483	36,671	-.5	42.3	43.2
Indiana	8,739	8,763	-.3	64,330	65,071	-1.1	98.4	98.3
Michigan	5,656	5,608	.9	44,873	43,686	2.7	71.5	69.7
Ohio	10,670	10,179	4.8	77,401	75,883	2.0	87.0	89.8
Wisconsin	2,923	2,976	-1.8	22,481	21,349	5.3	71.2	71.0
West North Central	15,117	15,295	-1.2	109,413	109,000	.4	73.3	74.9
Iowa	2,401	2,444	-1.7	16,883	16,597	1.7	83.1	85.9
Kansas	2,242	2,239	.2	14,807	18,165	-8.4	65.6	72.3
Minnesota	2,166	2,209	-1.9	16,947	17,402	-2.6	65.5	65.2
Missouri	4,560	4,724	-3.5	32,745	31,172	5.0	79.4	78.2
Nebraska	1,291	1,216	6.2	9,212	9,250	-.4	56.0	62.8
North Dakota	2,213	2,237	-1.1	16,841	16,835	*	93.1	92.8
South Dakota	242	227	6.7	1,978	1,579	25.3	42.3	35.9
South Atlantic	29,343	32,116	-8.6	207,487	211,460	-1.9	56.4	59.0
Delaware	442	409	7.8	3,240	3,144	3.0	61.2	63.4
District of Columbia	-	-	-	-	-	-	-	-
Florida	5,988	5,810	3.1	40,205	39,699	1.3	45.5	48.0
Georgia	6,156	7,317	-15.9	40,640	44,599	-8.9	64.8	68.5
Maryland	2,246	2,079	8.0	15,537	15,768	-1.5	60.3	76.3
North Carolina	4,287	5,076	-15.6	29,925	29,679	.8	53.2	54.3
South Carolina	1,896	2,477	-23.5	14,758	15,625	-5.5	30.9	33.5
Virginia	2,080	2,124	-2.1	14,890	12,738	16.9	45.5	38.9
West Virginia	6,248	6,823	-8.4	48,292	50,209	-3.8	99.1	99.0
East South Central	17,825	18,433	-3.3	123,609	120,811	2.5	71.3	71.8
Alabama	6,015	5,928	1.5	38,086	34,386	10.8	89.5	68.4
Kentucky	6,341	6,671	-4.9	48,011	47,805	.4	94.5	95.5
Mississippi	911	1,231	-26.0	5,808	6,609	-12.1	36.3	39.1
Tennessee	4,557	4,603	-1.0	31,704	31,812	-.3	61.2	64.7
West South Central	18,219	17,678	3.1	122,762	119,201	3.0	47.5	46.9
Arkansas	2,135	1,979	7.9	13,604	11,945	13.9	52.2	47.8
Louisiana	1,823	1,911	-4.6	12,590	11,334	11.1	32.8	28.7
Oklahoma	2,815	2,502	12.5	17,386	16,704	4.1	56.9	53.8
Texas	11,445	11,284	1.4	79,182	79,219	*	48.5	50.0
Mountain	16,774	16,873	.6	118,322	123,487	-5.8	71.7	76.4
Arizona	3,048	3,061	-.4	19,882	21,778	-8.7	45.2	54.9
Colorado	2,560	2,627	-2.5	19,141	19,880	-3.7	93.3	94.2
Idaho	-	-	-	-	-	-	-	-
Montana	1,372	921	48.9	9,947	9,169	8.5	55.5	56.0
Nevada	1,478	1,431	3.3	10,417	9,318	11.8	76.3	75.9
New Mexico	2,092	2,329	-10.2	13,545	17,576	-22.9	86.7	90.0
Utah	2,642	2,758	-4.2	18,618	20,940	-11.1	95.9	97.6
Wyoming	3,582	3,545	1.0	24,772	24,828	-.2	97.7	97.9
Pacific	1,147	852	34.6	5,883	4,701	25.1	3.2	2.5
California	-	-	-	-	-	-	-	-
Oregon	300	80	273.7	1,395	67	NM	4.2	.2
Washington	824	749	10.0	4,281	4,423	-3.2	5.8	6.3
Alaska	23	22	2.4	207	211	-1.8	7.1	7.2
Hawaii	-	-	-	-	-	-	-	-
U.S. Total	143,898	147,135	-2.2	1,032,284	1,032,413	*	54.0	54.5

* For quantity data, the absolute value of the number is less than 0.5 gigawatthours. For percentage calculations, the absolute value of the number is less than 0.05 percent.

NM Percent change calculation not meaningful as value is greater than 500.

Notes: Negative generation denotes that electric power consumed for plant use exceeds gross generation. Total may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 5. Coal Consumption at Electric Utility Plants, August 1991
(Thousand Short Tons)

Census Division and State	August 1991	July 1991	August 1990	Year to Date		
				1991	1990	Percent Change
New England	642	588	571	4,247	3,983	6.6
Connecticut	93	74	87	581	668	-13.0
Massachusetts	423	404	369	2,821	2,658	6.1
New Hampshire	126	110	115	846	657	28.8
Rhode Island	-	0	0	0	0	-
Middle Atlantic	4,551	4,750	4,949	36,366	36,817	-1.2
New Jersey	185	118	316	1,299	1,932	-32.7
New York	944	891	946	6,632	6,769	-2.0
Pennsylvania	3,422	3,741	3,687	28,435	28,116	1.1
East North Central	15,454	15,749	15,473	116,595	115,338	1.1
Illinois	2,341	2,390	2,548	18,743	18,688	.3
Indiana	4,303	4,393	4,357	31,873	32,338	-1.4
Michigan	2,599	2,730	2,584	20,499	19,937	2.8
Ohio	4,563	4,609	4,309	32,853	32,364	1.5
Wisconsin	1,648	1,627	1,675	12,627	12,010	5.1
West North Central	9,555	9,538	9,659	69,399	69,036	.5
Iowa	1,481	1,464	1,491	10,336	10,249	.9
Kansas	1,419	1,464	1,408	9,320	10,216	-8.8
Minnesota	1,420	1,317	1,464	11,077	11,209	-1.2
Missouri	2,290	2,279	2,398	16,470	15,573	5.8
Nebraska	806	850	772	5,793	5,848	-.9
North Dakota	1,907	1,933	1,910	14,534	14,437	.7
South Dakota	232	232	217	1,870	1,504	24.3
South Atlantic	11,714	12,018	12,929	83,261	84,029	-.9
Delaware	187	204	176	1,367	1,318	3.7
Florida	2,451	2,476	2,384	16,461	16,091	2.3
Georgia	2,503	2,470	3,067	17,039	18,175	-6.3
Maryland	860	928	799	5,940	6,059	-2.0
North Carolina	1,658	1,837	1,984	11,787	11,471	2.8
South Carolina	771	824	1,002	5,912	6,253	-5.5
Virginia	819	843	856	5,856	5,019	16.7
West Virginia	2,465	2,436	2,662	18,899	19,642	-3.8
East South Central	7,466	7,933	7,810	52,559	51,061	2.9
Alabama	2,442	2,436	2,437	15,837	14,232	11.3
Kentucky	2,787	3,140	2,941	21,189	20,934	1.2
Mississippi	375	359	507	2,425	2,708	-10.4
Tennessee	1,882	1,997	1,925	13,109	13,188	-.6
West South Central	12,846	12,345	12,076	85,573	81,912	4.5
Arkansas	1,298	1,262	1,203	8,294	7,372	12.5
Louisiana	1,158	1,182	1,245	8,234	7,515	9.8
Oklahoma	1,691	1,667	1,467	10,423	9,834	6.0
Texas	6,499	8,233	8,160	58,623	57,191	2.5
Mountain	8,139	8,480	8,909	63,193	66,101	-4.4
Arizona	1,538	1,447	1,545	9,967	10,891	-8.5
Colorado	1,358	1,362	1,403	10,306	10,644	-3.2
Montana	873	780	584	6,358	5,791	9.8
Nevada	810	731	680	5,284	4,505	17.5
New Mexico	1,231	1,072	1,367	7,829	10,235	-23.5
Utah	1,167	1,061	1,186	8,196	8,976	-8.7
Wyoming	2,182	2,027	2,144	15,245	15,060	1.2
Pacific	751	461	566	3,972	3,158	25.8
Oregon	192	58	55	933	55	NM
Washington	539	391	491	2,854	2,916	-2.1
Alaska	20	13	20	185	187	-.7
U.S. Total	71,919	71,862	72,942	515,167	511,436	.7

^{M1} Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 6. Coal Stocks at Electric Utility Plants, August 1991
(Thousand Short Tons)

Census Division and State	August 31, 1991	July 31, 1991	August 31, 1990	Percent Change August 31: 1991 versus 1990
New England	1,021	1,096	1,392	-26.7
Connecticut	150	149	149	.9
Massachusetts	558	590	844	-33.8
New Hampshire	313	347	372	-15.9
Rhode Island	-	10	28	-
Middle Atlantic	15,831	15,855	15,863	-.2
New Jersey	880	935	720	22.2
New York	1,557	1,737	1,561	-.3
Pennsylvania	13,395	13,183	13,582	-1.4
East North Central	37,519	37,949	37,155	1.0
Illinois	7,340	7,267	7,141	2.8
Indiana	8,652	8,873	9,367	-7.8
Michigan	7,347	7,328	7,676	-4.3
Ohio	10,287	10,700	9,097	13.1
Wisconsin	3,894	3,780	3,875	.5
West North Central	20,172	19,964	19,408	3.9
Iowa	4,617	4,534	3,876	19.1
Kansas	3,756	3,657	3,457	8.6
Minnesota	2,242	2,218	2,055	9.1
Missouri	5,056	5,090	5,017	.8
Nebraska	1,638	1,622	1,513	8.2
North Dakota	2,570	2,553	3,197	-19.6
South Dakota	294	291	291	.8
South Atlantic	26,948	26,861	26,828	.4
Delaware	483	377	461	4.8
Florida	5,049	5,266	4,802	5.1
Georgia	5,691	5,643	5,663	.5
Maryland	1,885	2,037	1,765	6.8
North Carolina	4,227	4,063	4,385	-3.6
South Carolina	2,066	1,984	1,829	13.0
Virginia	1,116	1,029	1,414	-21.1
West Virginia	6,430	6,463	6,509	-1.2
East South Central	14,066	14,604	15,231	-7.6
Alabama	3,818	4,006	4,051	-5.7
Kentucky	6,185	6,227	6,761	-8.5
Mississippi	832	844	710	17.2
Tennessee	3,231	3,528	3,708	-12.9
West South Central	16,638	17,920	14,637	13.7
Arkansas	1,816	2,134	1,828	-.6
Louisiana	1,897	1,926	2,225	-14.8
Oklahoma	2,782	3,173	2,912	-4.5
Texas	10,144	10,687	7,671	32.2
Mountain	18,262	18,526	17,271	5.7
Arizona	4,050	4,088	2,702	49.9
Colorado	3,479	3,355	3,622	-4.0
Montana	855	822	898	-4.5
Nevada	1,509	1,623	1,437	5.0
New Mexico	1,330	1,461	1,371	-3.0
Utah	4,411	4,376	3,728	18.3
Wyoming	2,627	2,801	3,515	-25.3
Pacific	2,773	2,894	2,339	18.5
Oregon	1,067	1,132	646	65.3
Washington	1,698	1,761	1,691	.4
Alaska	7	1	2	217.9
U.S. Total	153,231	155,668	150,123	2.1

Note: Total may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 7. Coal Receipts at Electric Utility Plants, July 1991
(Thousand Short Tons)

Census Division and State	July 1991	June 1991	July 1990	Year to Date		
				1991	1990	Percent Change
New England	489	477	427	3,577	3,807	-6.0
Connecticut	54	67	63	496	610	-18.7
Massachusetts	362	330	297	2,376	2,499	-4.9
New Hampshire	72	80	67	705	699	.9
Middle Atlantic	3,994	4,459	4,195	30,479	34,554	-11.8
New Jersey	152	169	75	1,313	1,752	-25.1
New York	599	849	705	5,195	6,131	-15.3
Pennsylvania	3,243	3,441	3,415	23,971	28,671	-10.1
East North Central	15,052	14,626	14,324	97,345	98,967	-1.6
Illinois	2,268	2,352	2,108	10,189	15,433	-33.3
Indiana	4,040	3,694	3,889	25,522	28,596	-10.9
Michigan	2,875	2,947	2,675	15,772	14,728	7.1
Ohio	4,229	3,984	4,185	28,878	30,095	-4.0
Wisconsin	1,640	1,649	1,467	10,983	10,118	8.6
West North Central	9,575	8,644	8,475	60,329	60,177	.3
Iowa	1,521	1,343	1,308	9,265	8,831	4.9
Kansas	1,448	1,267	1,336	7,781	9,298	-16.3
Minnesota	1,502	1,399	1,134	9,408	9,630	-2.3
Missouri	2,040	2,064	1,908	14,740	13,972	5.5
Nebraska	850	679	813	5,064	5,034	.6
North Dakota	2,003	1,680	1,780	12,581	12,280	2.5
South Dakota	210	211	197	1,490	1,135	31.3
South Atlantic	9,417	9,859	10,274	70,230	77,735	-9.7
Delaware	109	191	165	1,139	1,281	-11.1
Florida	2,038	2,008	1,857	14,258	14,358	-.7
Georgia	2,137	2,045	2,575	14,888	16,079	-8.6
Maryland	604	869	727	4,941	5,825	-15.2
North Carolina	1,370	1,319	1,348	9,607	11,227	-14.4
South Carolina	754	784	825	5,108	5,343	-4.4
Virginia	840	486	635	4,433	4,334	2.3
West Virginia	1,763	2,156	2,142	18,057	19,287	-16.7
East South Central	6,129	6,029	6,334	44,314	48,830	-9.2
Alabama	1,834	1,810	1,783	13,660	12,832	6.6
Kentucky	2,515	2,276	2,635	17,413	21,285	-18.2
Mississippi	363	324	308	2,117	2,342	-9.6
Tennessee	1,417	1,619	1,608	11,125	12,371	-10.1
West South Central	11,370	10,411	10,912	72,191	68,999	4.6
Arkansas	1,184	909	1,082	7,467	8,049	-23.4
Louisiana	1,220	803	843	6,541	6,009	8.8
Oklahoma	1,310	1,228	1,170	9,251	8,476	9.1
Texas	7,658	7,471	7,737	48,932	48,465	1.0
Mountain	8,126	6,625	7,951	55,721	57,058	-2.3
Arizona	1,216	1,482	1,075	8,347	8,838	-5.9
Colorado	1,254	982	1,225	8,837	8,931	-1.0
Montana	772	554	596	5,542	5,282	5.3
Nevada	685	591	772	4,847	4,280	13.3
New Mexico	1,154	760	1,416	6,756	8,881	-23.9
Utah	1,100	761	952	7,700	8,037	-4.2
Wyoming	1,946	1,515	1,916	12,692	12,830	-1.1
Pacific	600	358	534	3,757	3,264	15.1
Oregon	137	58	101	1,102	101	NM
Washington	463	300	433	2,655	3,163	-16.1
U.S. Total	84,752	81,488	83,427	437,944	453,391	-3.4

^{NA} Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 8. Quality and Price of Coal Receipts at Electric Utility Plants,
July 1991**

Census Division and State	July 1991		July 1990		Year to Date					
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	1991		1990		Percent Change	
					Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	0.95	177	0.92	183	0.89	180	0.94	180	-6.0	*
Connecticut .....	.41	214	.41	217	.41	213	.41	211	.6	1.1
Massachusetts .....	.96	172	.89	178	.93	173	.96	172	-4.0	.9
New Hampshire	1.33	174	1.57	176	1.09	176	1.33	179	-18.3	-1.6
Mid Atlantic	1.64	151	1.75	155	1.62	155	1.64	155	-1.0	.4
New Jersey	1.04	171	1.43	179	.87	180	.93	179	4.6	.7
New York	1.32	159	1.48	161	1.38	162	1.44	161	-4.5	.5
Pennsylvania	1.74	148	1.81	154	1.72	153	1.74	152	-1.2	.6
East North Central	1.60	149	1.57	150	1.66	151	1.67	153	-.3	-.8
Illinois	1.77	170	1.82	177	1.80	174	1.93	176	-6.7	-1.0
Indiana	1.76	137	1.88	132	1.91	138	1.91	139	-.2	-.9
Michigan .....	.58	161	.55	165	.63	164	.64	166	*	-1.0
Ohio	2.22	147	1.99	149	2.17	149	2.04	152	6.4	-1.9
Wisconsin .....	.91	137	.92	136	.84	137	.84	137	-.8	.2
West North Central	1.07	112	1.10	114	1.08	115	1.11	115	-2.7	.5
Iowa .....	.89	115	.96	117	.78	113	.78	112	2.2	.5
Kansas .....	.69	120	.63	126	.62	125	.68	125	-9.6	-.4
Minnesota .....	.50	127	.54	130	.54	135	.56	133	-3.9	1.6
Missouri	1.77	131	1.89	137	1.78	137	1.97	135	-9.8	.9
Nebraska .....	.42	78	.40	77	.41	77	.42	77	-2.7	-.3
North Dakota	1.45	70	1.19	86	1.32	71	1.22	69	8.4	2.5
South Dakota	1.45	113	1.58	111	1.43	114	1.51	117	-5.0	-2.5
South Atlantic	1.22	170	1.21	169	1.22	171	1.23	169	-1.4	1.2
Delaware .....	.80	180	.73	185	.78	179	.73	183	5.0	-2.3
Florida	1.41	186	1.45	185	1.40	189	1.43	185	-2.2	1.7
Georgia	1.28	175	1.23	178	1.34	178	1.39	179	-3.4	-.5
Maryland	1.08	163	1.15	165	1.01	164	1.11	165	-8.6	-.3
North Carolina .....	.74	178	.79	178	.75	181	.76	179	-1.3	.9
South Carolina .....	.98	164	.97	170	.94	169	.93	172	1.1	-1.7
Virginia .....	.80	150	.73	149	.78	155	.75	156	3.5	-.9
West Virginia	1.64	153	1.55	147	1.54	151	1.51	146	1.8	3.4
East South Central	1.68	143	1.75	148	1.72	143	1.79	144	-3.9	-.5
Alabama	1.09	188	1.23	192	1.20	184	1.25	186	-4.5	-1.3
Kentucky	2.17	118	2.26	121	2.22	118	2.25	119	-1.2	-.8
Mississippi	1.45	164	1.43	164	1.27	171	1.37	164	-7.4	4.6
Tennessee	1.67	126	1.61	138	1.70	124	1.66	136	2.3	-8.8
West South Central .....	.84	146	.85	144	.82	151	.84	148	-2.3	1.6
Arkansas .....	.38	159	.37	147	.37	160	.40	166	-8.3	-3.1
Louisiana .....	.61	158	.60	170	.58	170	.61	170	-5.0	*
Oklahoma .....	.48	138	.50	143	.48	130	.53	139	-10.4	-6.3
Texas	1.05	143	1.03	140	1.02	151	1.00	145	1.6	4.0
Mountain .....	.54	109	.56	109	.55	115	.56	114	-1.9	1.5
Arizona .....	.51	136	.46	131	.50	141	.46	145	9.4	-2.7
Colorado .....	.38	109	.40	104	.38	107	.39	108	-4.0	-.5
Montana .....	.73	64	.73	70	.76	68	.73	66	4.5	3.3
Nevada .....	.44	124	.48	137	.45	141	.48	152	-5.1	-7.6
New Mexico .....	.87	132	.85	125	.88	143	.87	130	1.5	10.3
Utah .....	.39	116	.43	116	.41	125	.44	113	-7.5	9.9
Wyoming .....	.58	83	.59	79	.60	83	.60	83	-.8	*
Pacific .....	.73	143	.69	152	.68	141	.84	159	-19.5	-11.4
Oregon .....	.41	109	.38	111	.37	108	.38	111	-4.8	-1.9
Washington .....	.83	153	.76	162	.81	155	.86	160	-5.1	-3.5
U.S. Total	1.24	143	1.26	145	1.26	146	1.29	146	-2.5	*

* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 9. Quality and Price of Contract Coal Receipts at Electric Utility Plants, July 1991

Census Division and State	July 1991		July 1990		Year to Date					
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	1991		1990		Percent Change	
					Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	0.94	177	0.95	183	0.89	181	0.96	179	-6.8	1.2
Connecticut .....	.41	214	.41	217	.41	218	.41	212	1.0	2.9
Massachusetts .....	.93	171	.96	172	.93	174	.99	168	-5.2	3.3
New Hampshire	1.54	174	1.62	175	1.10	176	1.40	178	-21.5	-.7
Mid Atlantic	1.74	160	1.83	160	1.68	181	1.71	158	-1.9	1.7
New Jersey	1.05	171	1.53	178	.87	181	.83	178	5.9	1.8
New York	1.43	162	1.44	163	1.42	164	1.45	162	-2.4	1.3
Pennsylvania	1.83	159	1.91	159	1.78	159	1.84	155	-3.3	2.1
East North Central	1.67	157	1.65	160	1.72	159	1.71	160	.4	-.7
Illinois	1.91	184	1.93	189	1.91	183	2.00	184	-4.4	-.7
Indiana	1.84	139	1.89	135	1.98	141	1.95	143	1.7	-1.4
Michigan .....	.58	164	.56	172	.62	169	.61	169	1.5	.1
Ohio	2.32	158	2.19	165	2.27	160	2.16	165	5.3	-3.1
Wisconsin .....	.99	153	1.02	146	.90	145	.91	143	-1.0	1.2
West North Central	1.08	112	1.09	114	1.09	117	1.09	118	.1	1.0
Iowa	1.03	126	1.00	123	.86	121	.80	121	7.2	-.3
Kansas .....	.43	122	.46	126	.44	128	.45	125	-1.9	2.2
Minnesota .....	.48	127	.53	130	.53	135	.54	135	-1.7	.5
Missouri	1.91	134	1.99	140	1.89	138	2.08	138	-9.3	-.2
Nebraska .....	.42	79	.40	79	.40	82	.41	80	-1.5	2.8
North Dakota	1.45	70	1.19	66	1.33	71	1.22	69	8.7	3.5
South Dakota	1.45	113	1.58	111	1.43	114	1.51	117	-5.0	-2.5
South Atlantic	1.25	179	1.24	178	1.24	178	1.24	177	.1	.5
Delaware .....	.77	183	.69	188	.69	181	.73	183	-5.3	-.9
Florida	1.35	198	1.37	193	1.34	198	1.35	194	-.7	2.4
Georgia	1.40	187	1.35	189	1.51	188	1.43	188	5.3	.5
Maryland	1.10	168	1.13	166	1.05	167	1.11	167	-5.5	.5
North Carolina .....	.74	185	.79	184	.74	183	.75	183	-1.9	*
South Carolina	1.03	172	.98	176	.96	176	.93	177	2.4	-.4
Virginia .....	.85	159	.77	157	.80	160	.76	157	5.2	1.8
West Virginia	1.64	158	1.62	157	1.55	156	1.58	157	-2.1	-.5
East South Central	1.71	148	1.84	154	1.77	147	1.87	152	-5.8	-3.3
Alabama	1.10	200	1.13	207	1.18	196	1.10	204	7.9	-3.9
Kentucky	2.24	121	2.53	122	2.36	120	2.62	121	-10.0	-.7
Mississippi	1.43	165	1.28	170	1.25	172	1.14	170	9.5	1.2
Tennessee	1.67	126	1.68	142	1.72	124	1.72	140	-.2	-11.2
West South Central .....	.85	148	.86	145	.84	152	.85	149	-1.9	1.8
Arkansas .....	.38	159	.37	147	.37	160	.40	166	-8.3	-3.1
Louisiana .....	.61	158	.60	170	.58	170	.61	170	-5.0	*
Oklahoma .....	.49	138	.49	146	.49	133	.51	142	-4.3	-5.8
Texas	1.07	143	1.04	140	1.04	151	1.02	145	1.3	3.9
Mountain .....	.55	111	.57	111	.55	118	.56	116	-1.7	1.8
Arizona .....	.51	136	.48	131	.50	141	.46	145	9.4	-3.1
Colorado .....	.38	112	.40	105	.38	111	.39	109	-4.2	1.7
Montana .....	.73	64	.73	70	.76	68	.73	66	4.5	3.3
Nevada .....	.44	124	.48	137	.45	141	.48	152	-5.1	-7.6
New Mexico .....	.87	132	.85	125	.88	143	.87	130	1.5	10.3
Utah .....	.39	117	.43	117	.41	127	.43	115	-6.6	11.0
Wyoming .....	.58	85	.60	81	.61	87	.62	86	-2.6	.4
Pacific .....	.73	143	.70	153	.72	145	.90	163	-19.9	-10.7
Oregon .....	.41	109	.38	111	.38	109	.38	111	-2.3	-1.3
Washington .....	.83	153	.78	165	.81	155	.92	165	-12.0	-6.1
U.S. Total	1.25	147	1.27	148	1.27	150	1.29	150	-1.2	.2

* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10. Quality and Price of Spot Coal Receipts at Electric Utility Plants, July 1991

Census Division and State	July 1991		July 1990		Year to Date					
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	1991		1990		Percent Change	
					Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	1.01	176	0.87	184	0.87	173	0.91	182	-3.8	-5.0
Connecticut	-	-	-	-	.41	171	.43	188	-3.3	-13.5
Massachusetts	1.20	176	.79	184	.88	172	.91	180	-3.4	-4.5
New Hampshire .....	.47	178	1.43	177	1.04	176	1.05	186	-1.2	-5.3
Mid Atlantic	1.33	121	1.47	140	1.36	132	1.41	145	-3.6	-9.3
New Jersey .....	.67	172	.58	181	.82	176	.88	190	-6.3	-7.4
New York	1.11	152	1.56	158	1.29	156	1.42	159	-8.4	-1.7
Pennsylvania	1.40	111	1.45	133	1.42	119	1.43	139	-.9	-14.4
East North Central	1.33	116	1.33	125	1.42	121	1.50	127	-5.5	-4.9
Illinois	1.21	115	1.40	132	1.20	128	1.56	133	-22.7	-3.7
Indiana	1.27	123	1.70	115	1.56	123	1.75	119	-10.8	2.7
Michigan .....	.61	129	.53	144	.70	130	.72	151	-1.9	-13.9
Ohio	1.89	109	1.86	121	1.87	116	1.79	123	4.1	-6.3
Wisconsin .....	.77	115	.71	117	.68	118	.64	117	6.4	.6
West North Central	1.02	108	1.16	110	.98	105	1.18	107	-17.2	-2.1
Iowa .....	.52	88	.86	101	.51	87	.67	92	-23.9	-5.7
Kansas	1.53	115	1.93	128	1.35	111	2.21	126	-39.0	-11.4
Minnesota .....	.85	135	.98	126	.72	132	.80	113	-10.5	18.8
Missouri	1.21	122	1.43	125	1.35	131	1.53	125	-11.9	5.5
Nebraska .....	.36	67	.41	69	.42	64	.45	68	-7.2	-5.4
North Dakota	-	-	-	-	1.14	41	-	-	-	-
South Atlantic	1.09	138	1.14	145	1.10	142	1.21	148	-9.4	-2.6
Delaware	1.00	161	.85	173	1.05	170	.73	184	43.9	-7.4
Florida	1.63	139	1.91	142	1.64	147	1.76	151	-6.7	-2.7
Georgia .....	.95	143	1.04	160	.84	148	1.27	157	-34.4	-6.2
Maryland .....	.97	142	1.19	163	.88	151	1.10	161	-22.2	-5.9
North Carolina .....	.73	134	.79	144	.82	136	.76	155	7.6	-12.0
South Carolina .....	.88	147	.95	158	.90	147	.92	157	-2.9	-6.5
Virginia .....	.73	137	.62	129	.72	143	.73	155	-1.1	-7.5
West Virginia	1.73	106	1.34	114	1.44	112	1.30	114	10.5	-2.2
East South Central	1.54	119	1.44	123	1.44	122	1.54	121	-6.4	.3
Alabama	1.07	134	1.64	130	1.24	133	1.79	126	-30.6	5.9
Kentucky	1.89	107	1.33	117	1.62	111	1.43	116	13.0	-4.5
Mississippi	2.12	130	1.89	146	1.73	146	1.94	147	-10.9	-.7
Tennessee .....	.77	117	1.29	120	1.41	122	1.44	122	-2.6	*
West South Central .....	.39	139	.52	127	.40	121	.57	126	-29.0	-3.7
Oklahoma .....	.42	153	.60	119	.41	108	.69	121	-40.3	-10.7
Texas .....	.39	137	.44	134	.39	136	.47	130	-16.5	4.9
Mountain .....	.42	85	.47	87	.44	89	.45	87	-2.5	2.1
Arizona	-	-	-	-	.50	161	-	-	-	-
Colorado .....	.35	91	.39	98	.37	92	.38	101	-2.4	-9.2
Utah .....	.40	106	.46	105	.42	106	.49	104	-12.9	2.0
Wyoming .....	.52	60	.53	69	.53	60	.49	66	9.3	-9.9
Pacific	-	-	.57	127	.35	107	.36	128	-1.9	-15.7
Oregon	-	-	-	-	.35	107	-	-	-	-
Washington	-	-	.57	127	-	-	.36	128	-	-
U.S. Total	1.19	121	1.22	130	1.18	123	1.31	130	-9.7	-5.2

* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, July 1991

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama	504	239	558	199	256	163	1,318	208	0.98	-1.0	-2.2	-8.2
Arizona	1,118	98	-	-	-	-	1,118	98	.46	3.6	-6.8	1.4
Colorado	1,097	135	-	-	-	-	1,097	135	.38	3.2	3.3	-5.9
Illinois	-	-	780	161	3,752	158	4,533	157	2.39	10.4	-1.5	*
Indiana	57	142	302	130	2,135	128	2,495	129	2.20	-3.0	1.9	-6.2
Iowa	-	-	-	-	8	169	8	169	5.17	14.3	5.3	74.5
Kansas	-	-	-	-	28	136	28	136	2.79	-44.9	11.1	10.5
Kentucky	1,231	170	5,024	163	2,980	125	9,235	152	1.44	-11.7	-1.8	.7
Louisiana	-	-	349	131	-	-	349	131	.88	16.7	1.4	16.9
Maryland	-	-	212	148	8	117	218	148	1.21	1.3	-9.6	-.6
Missouri	-	-	-	-	145	198	145	198	3.98	3.9	15.1	5.4
Montana	1,918	175	1,631	107	-	-	3,549	146	.53	29.7	-3.7	3.9
New Mexico	292	187	1,376	141	-	-	1,668	150	.79	-10.2	8.5	2.5
North Dakota	-	-	1,817	81	396	46	2,213	74	1.45	12.0	5.4	18.3
Ohio	1	174	50	141	2,596	146	2,647	146	2.94	10.9	-.4	2.3
Oklahoma	8	198	26	140	18	112	49	140	1.68	-21.1	-3.6	51.9
Pennsylvania	172	149	2,263	152	976	144	3,411	150	1.48	-7.2	-4.3	-.1
Tennessee	-	-	185	127	40	115	225	125	1.02	-37.0	-10.2	-12.3
Texas	-	-	3,696	104	975	114	4,671	106	1.59	2.6	9.9	.5
Utah	1,187	119	9	179	-	-	1,196	120	.39	5.5	-5.9	-11.5
Virginia	296	183	1,079	162	10	145	1,385	166	.90	1.1	.6	-3.1
Washington	-	-	463	153	-	-	463	153	.83	15.5	-6.9	6.4
West Virginia	1,857	171	2,507	160	1,804	143	6,169	158	1.29	.9	.7	-3.3
Wyoming	15,523	133	929	104	-	-	16,451	131	.42	6.5	-2.3	-3.8
Imported	41	145	71	149	-	-	112	147	.60	177.4	-3.9	28.5
U.S. Total	25,301	144	23,326	144	16,125	139	64,752	143	1.24	2.1	-1.3	-1.4

* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 12. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-July 1991

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama	2,694	265	4,844	191	2,013	167	9,551	207	1.08	-0.7	0.7	-2.7
Arizona	7,480	107	-	-	-	-	7,480	107	.46	20.3	-1.2	-4
Colorado	8,820	139	14	93	-	-	8,834	139	.38	-.5	-3.2	-2.6
Illinois	-	-	6,437	157	24,934	160	31,370	160	2.40	-.1	.6	-.7
Indiana	419	151	1,665	133	13,441	130	15,525	131	2.27	-15.7	1.8	-.1
Iowa	-	-	-	-	49	177	49	177	3.57	37.2	8.6	-.6
Kansas	-	-	-	-	245	134	245	134	2.83	-42.8	11.4	10.3
Kentucky	9,244	171	33,576	166	21,897	125	64,717	154	1.46	-14.6	-.9	-1.9
Louisiana	-	-	1,636	137	-	-	1,636	137	.94	-9.1	1.6	17.8
Maryland	-	-	1,790	142	19	122	1,809	142	1.22	15.8	-9.1	-2.6
Missouri	-	-	-	-	1,045	196	1,045	196	3.91	-25.5	33.9	-1.3
Montana	8,528	190	11,511	110	-	-	20,039	146	.58	6.4	2.8	-1.5
New Mexico	2,848	179	8,462	151	-	-	11,310	159	.75	-15.0	6.2	1.9
North Dakota	-	-	11,471	80	2,600	54	14,071	75	1.33	4.9	3.0	7.3
Ohio	8	159	287	139	16,833	146	17,129	146	2.96	-3.2	-2.7	4.2
Oklahoma	24	164	177	144	50	113	251	140	1.45	-57.3	1.7	-3.5
Pennsylvania	1,037	156	19,086	155	6,660	149	26,784	154	1.46	-10.6	-.2	.1
Tennessee	46	127	1,497	131	390	119	1,933	129	1.15	-33.8	-13.7	.8
Texas	-	-	19,050	121	8,835	112	27,885	118	1.64	-1.4	11.5	5.8
Utah	8,338	127	109	151	-	-	8,447	127	.41	-5.6	7.8	-6.3
Virginia	1,998	186	7,266	163	20	143	9,285	168	.89	-6.0	-.7	2.4
Washington	-	-	2,655	155	-	-	2,655	155	.81	-5.7	-6.0	-11.9
West Virginia	13,799	171	20,257	162	13,887	146	47,943	160	1.28	-4.9	1.8	-1.9
Wyoming	100,046	135	6,696	102	107	122	106,849	132	.43	6.9	-1.3	-2.6
Imported	498	151	602	166	-	-	1,100	159	.58	36.1	-10.7	-4.4
U.S. Total	165,827	147	159,091	149	113,026	141	437,944	146	1.26	-3.4	*	-2.5

* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 13. Destination of Coal Received at Electric Utility Plants by Origin,
January-July 1991**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Alabama	13,660	12,832	81.1	78.8	1.20	1.25	184	186
Alabama	9,512	9,453	85.7	94.7	1.06	1.08	208	207
Illinois	576	412	86.7	-	1.68	2.03	123	112
Indiana	-	459	-	-	-	2.05	-	117
Kentucky	2,024	1,434	70.6	34.4	1.85	2.03	128	133
Ohio	158	366	100.0	93.2	1.72	2.02	118	118
Tennessee	636	487	49.7	13.3	.93	.67	130	124
West Virginia	754	4	70.8	-	.96	.51	141	151
Wyoming	-	216	-	-	-	.44	-	170
Arizona	9,347	8,838	97.7	100.0	.50	.46	141	145
Arizona	4,418	3,973	100.0	100.0	.45	.44	103	101
Colorado	421	609	100.0	100.0	.32	.32	170	175
New Mexico	4,509	4,257	95.2	100.0	.57	.50	180	187
Arkansas	7,467	6,049	100.0	100.0	.37	.40	160	166
Wyoming	7,467	6,049	100.0	100.0	.37	.40	160	166
Colorado	8,837	8,931	83.4	87.7	.38	.39	107	108
Colorado	5,609	5,853	73.9	81.3	.38	.39	106	108
Wyoming	3,229	3,077	100.0	100.0	.36	.39	109	106
Connecticut	498	610	89.3	91.6	.41	.41	213	211
Kentucky	498	610	89.3	91.6	.41	.41	213	211
Delaware	1,139	1,281	79.0	73.3	.76	.73	179	183
Kentucky	52	117	100.0	14.2	.65	.52	174	194
Maryland	-	21	-	100.0	-	1.11	-	141
Pennsylvania	279	193	30.0	43.4	1.12	1.09	168	165
Virginia	78	181	80.8	47.8	.88	.67	202	196
West Virginia	732	769	96.0	95.2	.63	.67	180	183
Florida	14,258	14,358	81.0	80.5	1.40	1.43	189	185
Illinois	2,610	2,445	98.0	99.3	2.40	2.41	215	208
Indiana	130	292	-	-	2.67	2.84	111	108
Kentucky	8,544	9,287	79.9	75.5	1.26	1.30	183	179
Ohio	240	-	-	-	2.08	-	164	-
Pennsylvania	3	-	-	-	1.12	-	128	-
Tennessee	91	62	100.0	100.0	.95	.83	218	219
Virginia	531	517	92.3	100.0	.64	.58	229	249
West Virginia	1,141	1,195	92.0	98.5	.88	.98	196	184
Imported coal Colombia	918	519	57.9	92.3	.61	.64	158	178
Imported coal Venezuela ..	42	40	-	-	.43	.63	127	171
Georgia	14,688	10,079	73.8	71.2	1.34	1.39	178	178
Alabama	39	161	-	-	1.94	1.60	140	155
Illinois	2,836	2,960	100.0	92.6	2.57	2.50	206	194
Indiana	18	-	-	-	1.88	-	141	-
Kentucky	7,361	8,632	76.5	67.9	1.24	1.28	164	168
Tennessee	39	999	-	53.0	1.54	1.06	152	187
Virginia	1,925	1,833	79.7	79.5	1.02	1.07	178	176
West Virginia	1,262	884	66.7	98.9	.53	.57	225	246
Wyoming	1,207	629	-	-	.41	.38	153	166
Illinois	16,189	15,433	84.2	84.7	1.80	1.93	174	176
Colorado	315	-	-	-	.39	-	145	-
Illinois	9,093	9,095	91.7	90.1	2.70	2.71	142	147
Indiana	1,073	1,226	55.4	71.0	1.31	1.64	134	123
Kentucky	845	1,282	73.6	38.8	.60	.85	164	155
Montana	2,018	1,633	100.0	100.0	.36	.39	278	292
New Mexico	-	111	-	-	-	.43	-	170
Tennessee	10	-	100.0	-	.59	-	149	-
West Virginia	442	152	29.7	15.2	.55	.52	151	158
Wyoming	2,394	1,935	80.1	95.4	.39	.42	263	289
Indiana	25,522	28,598	83.9	84.0	1.91	1.91	138	139
Colorado	492	366	-	100.0	.39	.39	169	300
Illinois	4,848	5,553	89.7	88.0	2.44	2.40	162	160
Indiana	10,836	12,272	83.6	82.9	2.40	2.39	127	126
Kentucky	2,521	2,834	91.7	89.1	2.38	2.34	132	136
Montana	417	399	100.0	65.1	.36	.39	280	242
Ohio	24	40	-	-	2.26	2.17	139	125
Virginia	17	-	-	-	.40	-	163	-
West Virginia	40	253	-	69.8	.55	.55	159	207
Wyoming	6,327	6,878	83.5	81.9	.40	.39	129	129
Iowa	9,265	8,831	76.6	70.3	.78	.76	113	112
Illinois	828	654	96.8	88.4	2.36	2.51	179	162
Indiana	480	492	87.9	59.5	2.32	2.22	136	136

See footnotes at end of table.

**Table 13. Destination of Coal Received at Electric Utility Plants by Origin,
January-July 1991 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Iowa								
Iowa	49	36	100.0	100.0	3.57	3.59	177	163
Kentucky	-	9	-	-	-	2.73	-	124
Wyoming	7,898	7,639	73.6	69.4	.42	.43	101	105
Kansas	7,781	9,296	82.4	89.3	.62	.68	125	125
Colorado	-	137	-	100.0	-	.32	-	118
Illinois	733	758	21.4	18.1	2.22	2.56	156	147
Kansas	62	196	38.9	-	2.43	2.45	122	121
Wyoming	6,887	8,204	89.2	97.8	.38	.41	120	123
Kentucky	17,413	21,285	82.3	69.6	2.22	2.25	118	119
Illinois	-	91	-	88.6	-	1.59	-	135
Indiana	1,471	1,571	75.3	60.9	2.33	2.40	107	110
Kentucky	12,965	17,089	83.1	73.5	2.49	2.44	117	118
Ohio	187	179	64.5	57.7	2.45	2.36	141	150
Pennsylvania	-	11	-	-	-	2.03	-	107
Tennessee	358	336	96.0	62.9	1.81	2.09	116	121
Virginia	-	60	-	100.0	-	.58	-	158
West Virginia	1,026	1,834	76.8	39.2	.68	.63	131	129
Wyoming	506	113	100.0	34.5	1.42	.35	124	124
Louisiana	6,541	6,009	100.0	100.0	.58	.61	170	170
Louisiana	1,636	1,800	100.0	100.0	.94	.80	137	135
West Virginia	85	159	100.0	100.0	.45	.52	170	205
Wyoming	4,820	4,051	100.0	100.0	.48	.54	179	180
Maryland	4,941	5,825	80.3	66.8	1.01	1.11	164	165
Kentucky	210	304	83.3	73.0	.51	.56	156	161
Maryland	734	879	71.8	46.4	1.12	1.22	173	171
Ohio	7	-	-	-	1.57	-	167	-
Pennsylvania	1,201	1,418	99.4	93.4	1.44	1.47	181	180
West Virginia	2,788	3,123	74.2	60.6	.85	.97	156	156
Massachusetts	2,376	2,498	82.7	69.8	.93	.86	173	172
Kentucky	-	7	-	-	-	.70	-	172
Maryland	-	40	-	-	-	.75	-	185
Pennsylvania	250	639	-	35.9	1.09	1.09	174	173
Virginia	624	792	80.6	96.2	.91	.95	176	173
West Virginia	1,453	887	97.2	84.9	.96	.97	172	168
Imported coal Colombia	-	64	-	-	-	.61	-	179
Imported coal Venezuela	49	70	100.0	-	.59	.48	167	181
Michigan	15,772	14,726	85.5	80.0	.63	.64	164	166
Indiana	48	112	100.0	78.5	2.33	2.44	162	162
Kentucky	3,545	3,928	88.9	72.6	.77	.72	180	180
Montana	5,780	5,160	98.2	96.4	.39	.36	159	158
Ohio	52	73	84.7	100.0	2.67	2.99	206	210
Pennsylvania	950	1,055	78.9	72.9	1.28	1.09	151	158
Virginia	-	113	-	100.0	-	1.09	-	186
West Virginia	3,855	3,224	86.6	76.8	.65	.66	172	171
Wyoming	1,542	1,061	30.6	41.9	.36	.31	114	111
Minnesota	9,408	9,630	97.1	93.2	.54	.56	135	133
Illinois	23	26	100.0	100.0	1.59	1.31	156	186
Indiana	51	30	-	8.4	1.55	1.77	154	161
Kentucky	-	8	-	56.6	-	.91	-	189
Montana	5,157	5,379	96.2	89.0	.71	.75	141	137
North Dakota	-	1	-	100.0	-	.87	-	174
Pennsylvania	6	3	56.3	100.0	1.09	1.02	178	176
West Virginia	-	2	-	100.0	-	.95	-	169
Wyoming	4,170	4,181	99.5	99.2	.31	.30	128	127
Mississippi	2,117	2,342	95.7	70.7	1.27	1.37	171	164
Illinois	847	680	97.3	88.9	2.14	2.02	150	150
Indiana	-	16	-	-	-	4.29	-	127
Kentucky	1,247	1,846	96.4	63.9	.70	1.07	185	170
Montana	23	-	-	-	.31	-	175	-
Missouri	14,740	13,972	79.0	79.1	1.78	1.97	137	135
Colorado	223	110	100.0	100.0	.40	.40	160	159
Illinois	7,397	7,218	83.8	83.9	2.21	2.21	150	152
Indiana	47	115	-	100.0	3.11	2.90	155	122
Kansas	183	232	17.9	.4	2.97	2.66	138	120
Kentucky	476	742	92.9	99.1	2.53	2.53	130	124
Missouri	1,045	1,403	99.5	97.5	3.91	3.96	196	146
New Mexico	-	18	-	-	-	.34	-	135
Ohio	-	24	-	-	-	2.10	-	171

See footnotes at end of table.

**Table 13. Destination of Coal Received at Electric Utility Plants by Origin,
January-July 1991 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Missouri								
Oklahoma	-	36	-	100.0	-	3.64	-	138
Wyoming	5,368	4,073	69.0	64.7	0.42	.42	97	97
Montana	5,542	5,282	100.0	100.0	.76	.73	68	66
Montana	5,542	5,282	100.0	100.0	.76	.73	68	66
Nebraska	5,064	5,034	70.4	76.2	.41	.42	77	77
Wyoming	5,064	5,034	70.4	76.2	.41	.42	77	77
Nevada	4,847	4,280	100.0	100.0	.45	.48	141	152
Arizona	3,062	2,245	100.0	100.0	.46	.49	113	123
Utah	1,567	1,656	100.0	100.0	.44	.47	184	181
Wyoming	217	378	100.0	100.0	.42	.43	197	202
New Hampshire	705	698	82.7	80.8	1.09	1.33	176	179
Kentucky	-	17	-	-	-	.68	-	201
Pennsylvania	432	90	100.0	100.0	1.14	1.01	178	179
West Virginia	181	477	32.8	82.3	1.31	1.60	173	176
Imported coal	-	34	-	-	-	.97	-	181
Imported coal	91	81	100.0	100.0	.41	.39	173	189
New Jersey	1,313	1,752	90.2	88.0	.87	.83	180	178
Kentucky	25	31	-	-	.81	.62	170	190
Ohio	-	14	-	-	-	1.66	-	203
Pennsylvania	-	26	-	-	-	.95	-	189
Virginia	458	700	99.4	99.9	.58	.58	178	177
West Virginia	830	981	87.8	86.0	1.05	1.02	182	180
New Mexico	6,756	8,881	100.0	100.0	.88	.87	143	130
New Mexico	6,756	8,881	100.0	100.0	.88	.87	143	130
New York	5,195	6,131	68.4	66.1	1.38	1.44	162	161
Kentucky	429	316	94.2	98.5	.42	.38	211	209
Maryland	15	19	-	-	1.42	1.29	152	168
Ohio	-	38	-	-	-	1.55	-	160
Pennsylvania	2,699	3,225	50.0	47.0	1.39	1.45	154	155
West Virginia	2,043	2,533	87.9	87.9	1.56	1.57	161	162
Wyoming	8	-	-	-	.43	-	191	-
North Carolina	9,607	11,227	94.2	85.1	.75	.76	181	179
Kentucky	4,435	5,595	94.9	82.7	.75	.79	188	185
Virginia	2,254	2,502	99.1	97.1	.86	.83	169	168
West Virginia	2,918	3,131	89.3	79.7	.65	.63	179	177
North Dakota	12,581	12,280	97.7	100.0	1.32	1.22	71	69
North Dakota	12,581	12,280	97.7	100.0	1.32	1.22	71	69
Ohio	28,878	30,095	74.1	67.0	2.17	2.04	149	152
Illinois	-	24	-	-	-	2.57	-	117
Indiana	-	46	-	-	-	2.93	-	109
Kentucky	4,883	5,931	67.6	46.3	.96	1.00	158	156
Ohio	15,124	14,718	77.6	71.1	2.95	2.80	147	154
Pennsylvania	1,652	1,884	60.5	58.2	1.62	1.72	140	138
Virginia	18	-	-	-	.63	-	143	-
West Virginia	7,169	7,492	74.7	78.1	1.53	1.49	148	148
Wyoming	33	-	-	-	.35	-	145	-
Oklahoma	9,251	8,476	87.3	88.3	.48	.53	130	139
Oklahoma	251	552	90.4	25.4	1.45	1.37	140	138
Wyoming	9,000	7,924	87.2	92.7	.44	.45	130	139
Oregon	1,102	101	58.6	100.0	.37	.38	108	111
Wyoming	1,102	101	58.6	100.0	.37	.38	108	111
Pennsylvania	23,971	26,671	84.4	76.3	1.72	1.74	153	152
Kentucky	15	-	100.0	-	1.08	-	177	-
Ohio	704	1,272	99.9	97.8	3.26	3.35	159	151
Pennsylvania	17,753	20,123	80.1	69.9	1.49	1.48	153	153
West Virginia	5,499	5,276	96.0	95.4	2.27	2.33	151	146
South Carolina	5,108	5,343	75.6	74.2	.94	.93	189	172
Kentucky	4,506	4,593	73.3	74.6	.92	.92	170	174
Tennessee	-	164	-	-	-	1.19	-	164
Virginia	541	577	94.5	92.4	1.15	.93	161	161
West Virginia	60	9	78.1	47.4	.78	.77	179	179
South Dakota	1,490	1,135	100.0	100.0	1.43	1.51	114	117
North Dakota	1,490	1,135	100.0	100.0	1.43	1.51	114	117
Tennessee	11,125	12,371	93.6	78.7	1.70	1.86	124	136
Illinois	1,222	771	58.3	30.3	1.76	1.88	126	118
Indiana	-	704	-	-	-	1.75	-	123
Kentucky	8,292	9,333	98.7	87.2	1.80	1.71	124	140
Tennessee	798	872	89.1	76.5	1.05	1.14	122	121
Virginia	812	691	100.0	100.0	1.32	1.39	129	131

See footnotes at end of table.

**Table 13. Destination of Coal Received at Electric Utility Plants by Origin,
January-July 1991 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Texas	48,932	48,465	97.9	97.1	1.02	1.00	151	145
Colorado	955	1,058	73.7	67.2	.35	.35	215	205
Texas	27,885	28,275	100.0	99.7	1.64	1.55	118	106
Wyoming	20,093	19,131	96.2	94.8	.42	.44	180	183
Utah	7,700	8,037	87.6	87.7	.41	.44	125	113
Colorado	820	746	100.0	100.0	.42	.52	225	221
Utah	6,880	7,291	88.1	86.5	.41	.43	114	103
Virginia	4,433	4,334	71.1	69.7	.78	.75	155	156
Kentucky	1,277	1,443	85.2	60.7	.82	.81	154	159
Virginia	1,987	1,911	77.3	74.5	.73	.70	155	154
West Virginia	1,169	980	67.0	73.5	.80	.76	157	156
Washington	2,655	3,183	100.0	88.7	.81	.88	155	160
Washington	2,655	2,815	100.0	98.7	.81	.92	155	165
Wyoming	-	348	-	-	-	.35	-	127
West Virginia	16,057	10,287	87.9	73.7	1.54	1.51	151	146
Kentucky	310	523	89.3	82.5	.70	.84	201	175
Maryland	1,059	503	84.4	53.8	1.29	1.37	120	124
Ohio	632	968	98.6	53.6	3.29	3.27	96	95
Pennsylvania	461	322	73.1	10.5	1.72	1.58	119	116
West Virginia	13,595	16,971	88.3	76.3	1.49	1.43	156	149
Wisconsin	10,983	10,118	70.0	74.3	.84	.84	137	137
Illinois	349	710	80.9	72.9	1.44	1.78	153	142
Indiana	1,362	1,088	76.2	98.5	1.89	1.74	181	189
Kentucky	259	112	-	-	.86	.80	152	184
Montana	1,102	997	80.8	80.0	.72	.70	161	160
New Mexico	46	43	-	-	.44	.39	181	174
Pennsylvania	1,097	956	98.9	100.0	1.37	1.27	159	158
Virginia	43	-	-	-	.57	-	170	-
West Virginia	-	102	-	-	-	1.11	-	165
Wyoming	6,724	6,108	65.3	68.3	.41	.41	113	112
Wyoming	12,692	12,830	87.0	83.7	.60	.60	83	83
Wyoming	12,692	12,830	87.0	83.7	.60	.60	83	83
U.S. Total	437,944	453,391	86.1	82.5	1.26	1.29	146	146

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 14. Origin of Coal Received at Electric Utility Plants by Destination,
January-July 1991**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Alabama	9,551	9,614	85.3	93.1	1.06	1.09	207	206
Alabama	9,512	9,453	85.7	94.7	1.06	1.08	208	207
Georgia	39	161	-	-	1.94	1.60	140	155
Arizona	7,480	6,218	100.0	100.0	.48	.46	107	109
Arizona	4,418	3,973	100.0	100.0	.45	.44	103	101
Nevada	3,062	2,245	100.0	100.0	.46	.49	113	123
Colorado	8,834	8,880	71.4	83.7	.38	.39	139	143
Arizona	421	609	100.0	100.0	.32	.32	170	175
Colorado	5,609	5,853	73.9	81.3	.39	.39	106	108
Illinois	315	-	-	-	.39	-	145	-
Indiana	492	366	-	100.0	.39	.39	169	300
Kansas	-	137	-	100.0	-	.32	-	118
Missouri	223	110	100.0	100.0	.40	.40	160	159
Texas	955	1,058	73.7	67.2	.35	.35	215	205
Utah	820	746	100.0	100.0	.42	.52	225	221
Illinois	31,370	31,398	87.9	84.4	2.40	2.41	160	159
Alabama	576	412	86.7	-	1.68	2.03	123	112
Florida	2,619	2,445	98.0	99.3	2.40	2.41	215	208
Georgia	2,836	2,960	100.0	92.6	2.57	2.50	206	194
Illinois	9,093	8,095	91.7	90.1	2.70	2.71	142	147
Indiana	4,848	5,553	89.7	88.0	2.44	2.40	162	160
Iowa	828	654	96.8	88.4	2.36	2.51	179	162
Kansas	733	758	21.4	18.1	2.22	2.56	156	147
Kentucky	-	91	-	88.6	-	1.59	-	135
Minnesota	23	26	100.0	100.0	1.59	1.31	156	166
Mississippi	847	680	97.3	88.9	2.14	2.02	150	150
Missouri	7,397	7,218	83.8	83.9	2.21	2.21	150	152
Ohio	-	24	-	-	-	2.57	-	117
Tennessee	1,222	771	58.3	30.3	1.76	1.88	126	118
Wisconsin	349	710	80.9	72.9	1.44	1.78	153	142
Indiana	15,525	18,424	79.1	73.7	2.27	2.28	131	128
Alabama	-	459	-	-	-	2.05	-	117
Florida	130	292	-	-	2.67	2.84	111	108
Georgia	18	-	-	-	1.88	-	141	-
Illinois	1,073	1,226	55.4	71.0	1.31	1.64	134	123
Indiana	10,836	12,272	83.6	82.9	2.40	2.39	127	128
Iowa	490	492	87.9	59.5	2.32	2.22	136	138
Kentucky	1,471	1,571	75.3	60.9	2.33	2.40	107	110
Michigan	48	112	100.0	78.5	2.33	2.44	162	162
Minnesota	51	30	-	8.4	1.55	1.77	154	161
Mississippi	-	16	-	-	-	4.29	-	127
Missouri	47	115	-	100.0	3.11	2.90	155	122
Ohio	-	46	-	-	-	2.93	-	109
Tennessee	-	704	-	-	-	1.75	-	123
Wisconsin	1,362	1,088	76.2	98.5	1.89	1.74	181	189
Iowa	49	36	100.0	100.0	3.57	3.59	177	163
Iowa	49	36	100.0	100.0	3.57	3.59	177	163
Kansas	245	428	23.2	.2	2.83	2.57	134	120
Kansas	62	196	38.9	-	2.43	2.45	122	121
Missouri	183	232	17.9	.4	2.97	2.66	138	120
Kentucky	64,717	75,825	82.8	72.5	1.46	1.49	154	155
Alabama	2,024	1,434	70.6	34.4	1.85	2.03	128	133
Connecticut	496	610	89.3	91.6	.41	.41	213	211
Delaware	52	117	100.0	14.2	.65	.52	174	194
Florida	8,544	9,287	79.9	75.5	1.26	1.30	183	179
Georgia	7,361	8,632	76.5	67.9	1.24	1.28	164	168
Illinois	845	1,282	73.6	38.8	.60	.85	164	155
Indiana	2,621	2,834	91.7	89.1	2.38	2.34	132	136
Iowa	-	9	-	-	-	2.73	-	124
Kentucky	12,985	17,089	83.1	73.5	2.49	2.44	117	118
Maryland	210	304	83.3	73.0	.51	.56	156	161
Massachusetts	-	7	-	-	-	.70	-	172
Michigan	3,545	3,928	88.9	72.6	.77	.72	180	180
Minnesota	-	8	-	56.6	-	.91	-	189
Mississippi	1,247	1,646	86.4	63.9	.70	1.07	185	170
Missouri	476	742	92.9	99.1	2.53	2.53	130	124
New Hampshire	-	17	-	-	-	.68	-	201
New Jersey	25	31	-	-	.61	.62	170	190
New York	429	316	94.2	98.5	.42	.38	211	209

See footnotes at end of table.

**Table 14. Origin of Coal Received at Electric Utility Plants by Destination,
January-July 1991 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Kentucky								
North Carolina	4,435	5,595	94.9	82.7	0.75	0.79	188	185
Ohio	4,883	5,931	87.6	46.3	.96	1.00	158	156
Pennsylvania	15	-	100.0	-	1.06	-	177	-
South Carolina	4,506	4,593	73.3	74.6	.92	.92	170	174
Tennessee	8,292	9,333	98.7	87.2	1.80	1.71	124	140
Virginia	1,277	1,443	65.2	60.7	.82	.81	154	159
West Virginia	310	523	89.3	82.5	.70	.84	201	175
Wisconsin	259	112	-	-	.86	.60	152	184
Louisiana	1,636	1,800	100.0	100.0	.94	.80	137	135
Louisiana	1,636	1,800	100.0	100.0	.94	.80	137	135
Maryland	1,809	1,562	78.6	47.7	1.22	1.25	142	156
Delaware	-	21	-	100.0	-	1.11	-	141
Maryland	734	979	71.8	46.4	1.12	1.22	173	171
Massachusetts	-	40	-	-	-	.75	-	185
New York	15	19	-	-	1.42	1.29	152	168
West Virginia	1,059	503	84.4	53.8	1.29	1.37	120	124
Missouri	1,045	1,403	98.5	97.5	3.91	3.96	196	146
Missouri	1,045	1,403	98.5	97.5	3.91	3.96	196	146
Montana	20,039	18,830	97.3	94.1	.58	.59	146	142
Illinois	2,018	1,633	100.0	100.0	.36	.39	278	292
Indiana	417	399	100.0	65.1	.36	.39	280	242
Michigan	5,780	5,160	98.2	96.4	.39	.36	159	158
Minnesota	5,157	5,379	96.2	89.0	.71	.75	141	137
Mississippi	23	-	-	-	.31	-	175	-
Montana	5,542	5,262	100.0	100.0	.76	.73	68	66
Wisconsin	1,102	997	80.8	80.0	.72	.70	161	160
New Mexico	11,310	13,310	97.7	98.7	.75	.74	159	149
Arizona	4,509	4,257	95.2	100.0	.57	.50	180	187
Illinois	-	111	-	-	-	.43	-	170
Missouri	-	18	-	-	-	.34	-	135
New Mexico	6,756	8,881	100.0	100.0	.88	.87	143	130
Wisconsin	46	43	-	-	.44	.39	181	174
North Dakota	14,071	13,418	98.0	100.0	1.33	1.24	75	73
Minnesota	-	1	-	100.0	-	.87	-	174
North Dakota	12,581	12,280	97.7	100.0	1.32	1.22	71	69
South Dakota	1,490	1,135	100.0	100.0	1.43	1.51	114	117
Ohio	17,129	17,693	78.1	72.0	2.96	2.84	148	150
Alabama	158	366	100.0	93.2	1.72	2.02	118	118
Florida	240	-	-	-	2.98	-	164	-
Indiana	24	40	-	-	2.26	2.17	139	125
Kentucky	187	179	64.5	57.7	2.45	2.36	141	150
Maryland	7	-	-	-	1.57	-	167	-
Michigan	52	73	84.7	100.0	2.67	2.99	206	210
Missouri	-	24	-	-	-	2.10	-	171
New Jersey	-	14	-	-	-	1.66	-	203
New York	-	38	-	-	-	1.55	-	160
Ohio	15,124	14,718	77.6	71.1	2.95	2.80	147	154
Pennsylvania	704	1,272	99.9	97.8	3.26	3.35	159	151
West Virginia	632	968	96.6	53.6	3.29	3.27	96	95
Oklahoma	251	589	90.4	30.0	1.45	1.51	140	138
Missouri	-	38	-	100.0	-	3.64	-	138
Oklahoma	251	552	90.4	25.4	1.45	1.37	140	138
Pennsylvania	26,784	29,946	76.4	67.3	1.48	1.46	154	154
Delaware	279	193	30.0	43.4	1.12	1.09	168	165
Florida	3	-	-	-	1.12	-	128	-
Kentucky	-	11	-	-	-	2.03	-	107
Maryland	1,201	1,418	99.4	93.4	1.44	1.47	181	180
Massachusetts	250	639	-	35.9	1.09	1.09	174	173
Michigan	950	1,055	78.9	72.9	1.28	1.09	151	158
Minnesota	6	3	56.3	100.0	1.08	1.02	178	176
New Hampshire	432	90	100.0	100.0	1.14	1.01	178	179
New Jersey	-	26	-	-	-	.95	-	189
New York	2,699	3,225	50.0	47.0	1.39	1.45	154	155
Ohio	1,652	1,884	30.5	58.2	1.62	1.72	140	138
Pennsylvania	17,753	20,123	80.1	69.9	1.49	1.48	153	153
West Virginia	461	322	73.1	10.5	1.72	1.58	119	116
Wisconsin	1,097	956	98.9	100.0	1.37	1.27	159	158

See footnotes at end of table.

**Table 14. Origin of Coal Received at Electric Utility Plants by Destination,
January-July 1991 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Tennessee	1,933	2,919	76.2	54.9	1.15	1.14	129	149
Alabama	636	487	49.7	13.3	.93	.87	130	124
Florida	91	62	100.0	100.0	.95	.83	218	219
Georgia	39	999	-	53.0	1.54	1.06	152	187
Illinois	10	-	100.0	-	.59	-	149	-
Kentucky	358	336	96.0	82.9	1.81	2.09	116	121
South Carolina	-	164	-	-	-	1.19	-	164
Tennessee	798	872	89.1	76.5	1.05	1.14	122	121
Texas	27,885	28,275	100.0	99.7	1.64	1.55	118	106
Texas	27,885	28,275	100.0	99.7	1.64	1.55	118	106
Utah	8,447	8,947	88.7	89.0	.41	.44	127	118
Nevada	1,567	1,656	100.0	100.0	.44	.47	184	181
Utah	6,880	7,291	86.1	86.5	.41	.43	114	103
Virginia	9,285	9,879	87.6	88.8	.89	.87	168	170
Delaware	76	181	80.8	47.8	.88	.87	202	196
Florida	531	517	92.3	100.0	.64	.58	229	249
Georgia	1,925	1,833	79.7	79.5	1.02	1.07	178	176
Indiana	17	-	-	-	.40	-	163	-
Kentucky	-	60	-	100.0	-	.58	-	158
Massachusetts	624	792	80.6	96.2	.81	.95	176	173
Michigan	-	113	-	100.0	-	1.09	-	186
New Jersey	458	700	99.4	99.9	.58	.58	178	177
North Carolina	2,254	2,502	99.1	97.1	.86	.83	169	168
Ohio	18	-	-	-	.63	-	143	-
South Carolina	541	577	94.5	92.4	1.15	.93	161	161
Tennessee	812	691	100.0	100.0	1.32	1.39	129	131
Virginia	1,987	1,911	77.3	74.5	.73	.70	155	154
Wisconsin	43	-	-	-	.57	-	170	-
Washington	2,655	2,815	100.0	99.7	.81	.92	155	165
Washington	2,655	2,815	100.0	99.7	.81	.92	155	165
West Virginia	47,943	50,416	84.1	78.1	1.28	1.31	160	157
Alabama	754	4	70.6	-	.96	.51	141	151
Delaware	732	769	96.0	95.2	.63	.67	180	183
Florida	1,141	1,195	92.0	88.5	.88	.98	196	184
Georgia	1,262	864	66.7	98.9	.53	.57	225	246
Illinois	442	152	29.7	15.2	.55	.52	151	158
Indiana	40	253	-	69.8	.55	.55	159	207
Kentucky	1,926	1,834	76.8	39.2	.69	.63	131	129
Louisiana	85	159	100.0	100.0	.45	.52	170	205
Maryland	2,788	3,123	74.2	60.6	.85	.97	156	156
Massachusetts	1,453	887	97.2	84.9	.96	.97	172	168
Michigan	3,855	3,224	86.6	76.6	.65	.66	172	171
Minnesota	-	2	-	100.0	-	.95	-	169
New Hampshire	181	477	32.9	82.3	1.31	1.60	173	176
New Jersey	830	981	87.8	86.0	1.05	1.02	182	180
New York	2,043	2,533	87.9	87.9	1.56	1.57	161	162
North Carolina	2,918	3,131	89.3	79.7	.65	.63	179	177
Ohio	7,169	7,492	74.7	78.1	1.53	1.49	148	148
Pennsylvania	5,499	5,276	86.0	95.4	2.27	2.33	151	146
South Carolina	60	9	78.1	47.4	.78	.77	179	179
Virginia	1,169	980	67.0	73.5	.80	.76	157	156
West Virginia	13,595	16,971	88.3	76.3	1.49	1.43	156	149
Wisconsin	-	102	-	-	-	1.11	-	165
Wyoming	106,849	99,960	84.8	86.0	.43	.44	132	134
Alabama	-	216	-	-	-	.44	-	170
Arkansas	7,467	6,049	100.0	100.0	.37	.40	160	166
Colorado	3,229	3,077	100.0	100.0	.36	.39	109	108
Georgia	1,207	629	-	-	.41	.38	153	166
Illinois	2,394	1,935	80.1	95.4	.39	.42	263	289
Indiana	6,327	6,878	83.5	81.9	.40	.39	129	129
Iowa	7,898	7,639	73.6	69.4	.42	.43	101	105
Kansas	6,987	8,204	89.2	97.8	.38	.41	120	123
Kentucky	506	113	100.0	34.5	1.42	.35	124	124
Louisiana	4,820	4,051	100.0	100.0	.48	.54	179	180
Michigan	1,542	1,061	30.6	41.9	.36	.31	114	111
Minnesota	4,170	4,181	99.5	99.2	.31	.30	128	127
Missouri	5,368	4,073	69.0	64.7	.42	.42	97	97
Nebraska	5,064	5,034	70.4	76.2	.41	.42	77	77
Nevada	217	378	100.0	100.0	.42	.43	197	202

See footnotes at end of table.

**Table 14. Origin of Coal Received at Electric Utility Plants by Destination,
January-July 1991 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1991	1990	1991	1990	1991	1990	1991	1990
Wyoming								
New York	9	-	-	-	0.43	-	191	-
Ohio	33	-	-	-	.35	-	145	-
Oklahoma	8,000	7,924	87.2	92.7	.44	0.45	130	139
Oregon	1,102	101	58.6	100.0	.37	.38	108	111
Texas	20,093	19,131	98.2	94.8	.42	.44	180	183
Washington	-	348	-	-	-	.35	-	127
Wisconsin	8,724	6,108	65.3	68.3	.41	.41	113	112
Wyoming	12,692	12,830	87.0	83.7	.60	.60	83	83
Imported Coal	1,100	808	61.0	68.3	.58	.61	159	178
Canada	-	34	-	-	-	.97	-	181
New Hampshire	-	34	-	-	-	.97	-	181
Colombia	918	584	57.9	82.1	.61	.63	158	176
Florida	918	519	57.9	92.3	.61	.64	158	176
Massachusetts	-	64	-	-	-	.61	-	179
Venezuela	182	191	76.8	42.5	.48	.47	161	183
Florida	42	40	-	-	.43	.63	127	171
Massachusetts	48	70	100.0	-	.59	.48	167	181
New Hampshire	91	81	100.0	100.0	.41	.39	173	189
U.S. Total	437,944	453,391	86.1	82.5	1.28	1.29	146	146

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Electronic Publishing System (EPUB)

User Instructions

EPUB is an electronic publishing system maintained by the Energy Information Administration of the U.S. Department of Energy. EPUB allows the general public to electronically access selected energy data from many of EIA's statistical reports. The system is a menu-driven, bulletin board type system with extensive online help capabilities that can be accessed free of charge 24 hours a day by using a terminal or PC with an asynchronous modem. (EPUB will be taken down briefly at midnight for backup.)

CONFIGURING YOUR PC SOFTWARE

PC users must provide the following information to their communications software in order to successfully access the EPUB system. Consult your communications software documentation for information on how to correctly configure your software.

Communications Parameters:

BAUD RATE: 300 - 2400 bps

DATA BITS: 8

STOP BITS: 1

PARITY: NONE

DUPLEX: FULL

TERMINAL TYPE: *example:* ANSI, ANSI-BBS, VT100

ACCESS PHONE NUMBER

Once your communications software and/or hardware has been configured, you can access EPUB by dialing (202)586-2557.

USING EPUB

When a connection to the system has been made, some users may find that the menu-driven instructions and the online help capabilities will provide enough information to effectively use EPUB. If needed, more extensive information may be found in the EPUB Users Guide, which is available online from the EPUB system or from:

National Energy Information Center, EI-231

Energy Information Administration

Forrestal Building, Room 1F-048

Washington, DC 20585

(202) 586-8800

Hours 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday

EPUB ASSISTANCE:

For communications or technical assistance, call (202) 586-8959, 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday.

For questions about the content of EPUB reports, call (202) 586-8800, 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday.

EPUB PROVIDES SELECTED DATA FROM THE FOLLOWING EIA PUBLICATIONS:

Weekly Petroleum Status Report, updated on Wednesdays at 5:00 p.m.

Petroleum Supply Monthly, updated on the 20th of the month

Petroleum Marketing Monthly, updated on the 20th of the month

Natural Gas Monthly, updated on the 20th of the month

Weekly Coal Production, updated on Fridays at 5:00 p.m.

Quarterly Coal Report, updated 60 days after the end of the quarter

Electric Power Monthly, updated on the 1st of the month

Monthly Energy Review, updated the last week of the month

Short Term Energy Outlook, updated 60 days after the end of the quarter.

Methodology

Weekly Data

Weekly coal production estimates are based on weekly carload data collected by the Association of American Railroads (AAR) from its member railroads and other cooperating railroads. EIA calculates the average tonnage per carload for each railroad's coal car fleet from information obtained from the most recent Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission (ICC) and from data made available by individual railroads. These average tonnages per carload are then multiplied by the number of cars loaded to obtain an estimate of weekly coal production shipped by AAR railroads.

Next, the weekly coal production estimate for a specific week is obtained by dividing the AAR rail tonnage for the week by a factor representing the proportion of quarterly AAR rail shipments to total quarterly coal production for the same quarter of the previous year in order to reflect seasonal variation. The ratio of rail tonnage to total production is occasionally adjusted to take into consideration current rail or coal strikes.

Once the U.S. weekly coal production estimate is determined, it is split into two subtotals - a portion for States with little or no rail coal shipments, and a portion for the remaining States, in which a significant percentage of production is shipped by rail. The States with little or no railroad coal shipments are Alaska, Arizona, Arkansas, California, Georgia, Iowa, Kansas, Louisiana, Missouri, Texas, and Washington. With the exception of California and Louisiana, the weekly production estimate for each "nonrail State" is estimated by multiplying the U.S. weekly coal production estimate by the ratio of projected production for that State to total U.S. projected production, for the current quarter. The methodology used to project State coal production is given in the EIA publication *Model Documentation of the Short-Term Coal Analysis System* (DOE/EIA-0394). The EIA contacts the producers in California and Louisiana to obtain their production estimates.

Production estimates for the "rail States" are based on the weekly railroad tonnage data for railroads shipping coal from those States, data supplied by these railroads on the percentages of their coal shipments originating from these States, and estimates made by the EIA concerning the amount of State production tonnage that is shipped on these railroads. These figures are used to compute weekly coal production estimates for these "rail States." These independent estimates are then proportionately adjusted to insure that the total production estimate for these "rail States" equals the U.S. total weekly coal production estimate minus the production estimated for all of the "nonrail States." Separate

production estimates are made for the anthracite and bituminous coal regions in Pennsylvania, eastern and western Kentucky, and northern and southern West Virginia.

Monthly Data

Preliminary estimates of monthly coal production by State are obtained by summing weekly coal production estimates published in the *Weekly Coal Production* report. If a week extends into a new month, the production is allocated by day, and the days are added to the month in which they occur. For weeks without holidays, the allocation is Monday through Friday, 18.4 percent each day; Saturday, 8 percent; and Sunday, 0 percent. For weeks with a holiday occurring on a day other than Sunday, the allocation is Sunday and the holiday, 0 percent; and any other day, 20 percent.

Preliminary weekly and monthly production estimates are revised quarterly when quarterly production data, become available. Preliminary weekly and monthly estimates are proportionately adjusted to conform to the quarterly production figure.

Quarterly Data

Estimates of quarterly coal production are based on data collected quarterly on Form EIA-6, with certain adjustments. The national estimate of quarterly coal production is set equal to the quarterly U.S. coal production total as reported on the Form EIA-6. Based on 1988 and 1989 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988 and 1 percent to 2 percent for 1989.

The quarterly production data, although published throughout the year, are considered preliminary until EIA annual production data are finalized in September of the following year. At that time quarterly production data are revised (proportionately adjusted) to conform to the final annual production figures.

Finalizing Annual Production

Preliminary total annual U.S. coal production, as reported in the *Weekly Coal Production* report in the first week in January of the following year, is the sum of revised monthly/quarterly estimates of production for the first 9 months (first three quarters) and a preliminary estimate of fourth quarter production derived from weekly estimates.

When production data for the fourth quarter of the year become available from Form EIA-6 in March of the following year, the preliminary fourth-quarter U.S. total production figure and corresponding State-level figures may or may not be revised, depending on the size of the difference between the estimates and fourth-quarter data. As a general practice, EIA does not revise the initial annual production estimates (determined initially in January of the following year). Weekly, monthly, and quarterly State and national production data are adjusted to

conform to finalized annual production figures derived from Form EIA-7A, in September of the following year.

Based on 1988 and 1989 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988 and 0.09 percent to 0.14 percent for 1989.